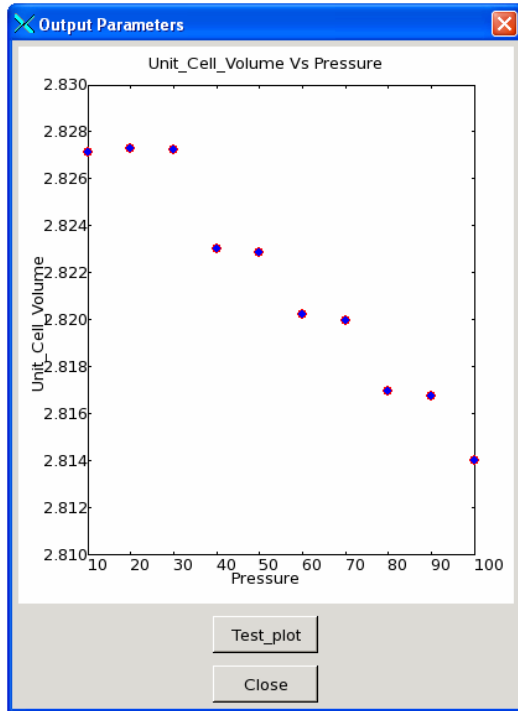


Monthly project report, April, 2007

The raw data set for the following result came from a pre-published data set. These are volume variation with the increased pressure. The pressure values are at a 10 increment, which are not the actual values. The material is one single phase material.

The following two figures show that refinement for each raw data file from CEAD is converged. It looks that CEAD works for automation of data analysis. But more work needed, like the comparison between the CEAD result and manually calculated data, etc.



Task started at Wed Apr 11 10:11:23 2007

Running: Data_File

Raw_data_file	Volume/ABC	Status
Data_010.tif	2.814001	Converged
Data_009.tif	2.816783	Converged
Data_008.tif	2.816969	Converged
Data_007.tif	2.819970	Converged
Data_006.tif	2.820236	Converged
Data_005.tif	2.822889	Converged
Data_004.tif	2.823056	Converged
Data_003.tif	2.827254	Converged
Data_002.tif	2.827273	Converged
Data_001.tif	2.827121	Converged

All Unit_volume Vs Pressure/Temperature values are saved in:

2. Future work

- (1). More test on the single phase CEAD automation.
- (2) Two phase automation of CEAD development.